



HIGH HARDNESS BORON STEEL ROTARY BLADE

ABSTRACT OF THE DISCLOSURE

5 A rotary blade for a mower or cutter is formed from boron steel, such as 10B38 steel, and is heat treated to yield high hardnesses of 48 Rockwell C or above. The blade has increased hardness because of the heat treating, but due to the alloy composition, is still sufficiently tough to perform satisfactorily as a cutting blade, in particular to pass conventional impact tests. Furthermore, the low carbon content of the blade makes cold working of the part practical.